

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002316**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 B01D 35/147**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B01D, C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, "water*", "purif*", "replac*", "valv*"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 285193 Y1 (RHEE TAE HEE) 13 AUGUST 2002 See claims and figure 1, 3	1, 5, 9
Y	KR 2001-103506 A (RHEE TAE HEE) 23 NOVEMBER 2001 See claims and figure 2	1, 5, 9
A	WO 2001/83079 A1 (KHANG WON SEOK) 8 NOVEMBER 2001 See abstract and figures	1, 2, 5, 9
A	WO 2002/72228 A1 (OASIS CORPORATION) 19 SEPTEMBER 2002 See abstract and figures	1, 2, 5, 9
A	KR 194339 Y1 (BUDDLE CO., LTD.) 1 SEPTEMBER 2001 See abstract and figures	1

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 FEBRUARY 2004 (13.02.2004)

Date of mailing of the international search report

16 FEBRUARY 2004 (16.02.2004)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2003/002316

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 285193 Y1	13.08.2002.	None	
KR 2001-103506 A	23.11.2001.	KR 367233 B1	10.01.2003.
WO 2001/83079 A1	8.11.2001.	AU 200074560 A5	12.11.2001.
		CN 1450927 T	22.10.2003.
		GB 2376902 B2	04.06.2003.
		KR 373076 B1	20.02.2003.
WO 2002/72228 A1	19.09.2002.	US 2002/125183 A1	12.09.2002.
KR 194339 Y1	01.09.2000.	None	